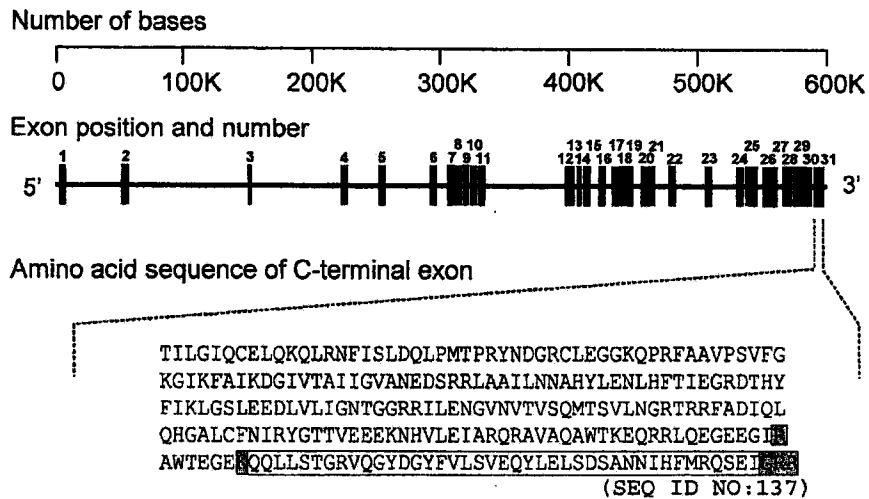


**FIGURE 6B**



# Mammalian TCAP Sequences

## Accession Numbers

human TCAP 1	Q L STGR Q D YFVLSVE YL S SAN IH M S I -	nm_014253 (SEQ. ID. NO. 69)
human TCAP 2	Q L STGR Q E YYVLPVE YP A SSS IQ L N M -	xm_047995 (SEQ. ID. NO. 78)
human TCAP 3	Q L SAGK Q D YYVLSVE YP A SAN IQ L S I -	ak001336 (SEQ. ID. NO. 85)
human TCAP 4	Q V STGR Q D FFVISVE YP S SAN IH M S M -	ak056531 (SEQ. ID. NO. 94)
mouse TCAP 1	Q L GTGR Q D YFVLSVE YL S SAN IH M S I -	nm_011855 (SEQ. ID. NO. 37)
mouse TCAP 2	Q L STGR Q E YYVLPVE YP A SSS IQ L N M -	nm_011856 (SEQ. ID. NO. 46)
mouse TCAP 3	Q L SAGK Q D YYVLSVE YP A SAN IQ L S I -	nm_011857 (SEQ. ID. NO. 53)
mouse TCAP 4	Q V NTGR Q D FFVISVE YP S SAN IH M S M -	ab025413 (SEQ. ID. NO. 66)
Rat TCAP 2	Q L STGR Q E YYVLPVE YP A SSS IQ L N M -	nm_020088 (SEQ. ID. NO. 78)

# Avian TCAP Sequences

chicken TCAP 1	Q L NTGR Q D YFVLSVE YL S SAN IH M S I - NH2	aj238613 (SEQ. ID. NO. 101)
chicken TCAP 2	Q L NTGR Q E YYVLPVE YP A SSS IQ L N M -	aj279031 (SEQ. ID. NO. 136)

# Piscine TCAP Sequences

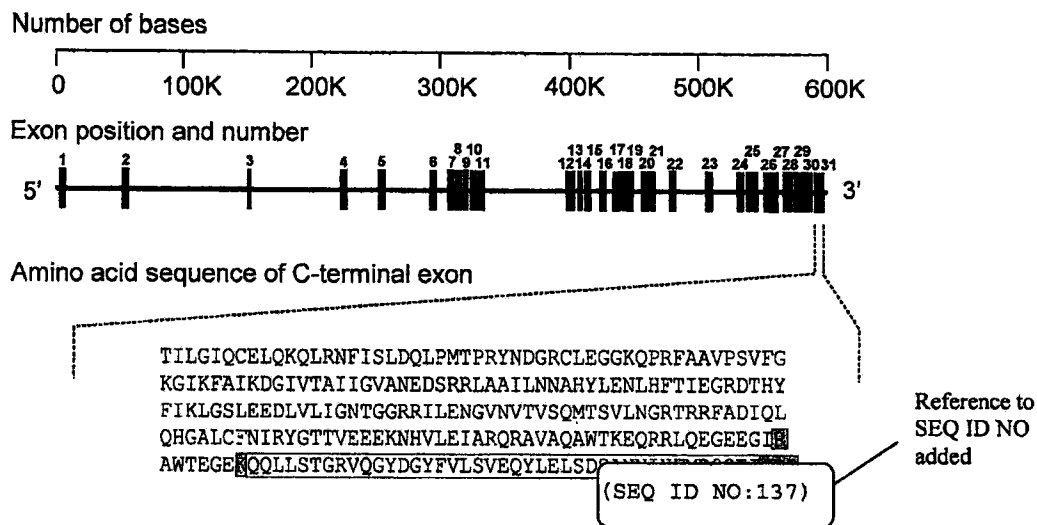
Rainbow trout TCAP 3	Q L SGRK L D YYVLSIE YP A SAN IQ L S I -	not entered Yet (SEQ. ID. NO. 13)
zebrafish TCAP 3	Q L SSGK L D YYVLSVE YP A SAN VQ L S I -	nm_130968 (SEQ. ID. NO. 21)
zebrafish TCAP 4	Q L SSGR Q E FYIVSVD FP T NIN V H M T M -	ab026980 (SEQ. ID. NO. 30)
Insect Drosopholia	ELVQHGVDVGNGLDIHSIHYPQLADOPGNVAFQDAK	(SEQ. ID. NO. 103)

FIGURE 7A

Protein name	Species	Truncated Peptide	SEQ ID NO:	% Identical	% Homolog
Ten-m1/odd Oz1	<i>M musculus</i>	QLLTGRVQGYDYFVLSVEQYLELSDSANNIHFMQSEI	37	100	
Teneurin-1	<i>G gallus</i>	QLLTGRVQGYDYFVLSVEQYLELSDSANNIHFMQSEI	138	97	97
Odd (odd Oz1/ten-m1)/tenascin M	<i>H sapiens</i>	QLLTGRVQGYDYFVLSVEQYLELSDSANNIHFMQSEI	69	97	97
Mouse DOC4-like protein	<i>H sapiens</i>	QLLTGRVQGYDYFVLSVEQYLELSDSANNIHFMQSEI	69	97	97
DOC4/Ten-m4 /odd Oz4	<i>M musculus</i>	QLLTGRVQGYDG FVLSVEQYLELSDSANNIHFMQSEI	61	85	92
Similar to odd Oz4/ten-m4/ KIAA1302 protein	<i>H sapiens</i>	QLLTGRVQGYDG FVLSVEQYLELSDSANNIHFMQSEI	93	85	95
Hypothetical protein/ DKFZ564O0423.1 (fragment)	<i>H sapiens</i>	QLLTGRVQGYDG FVLSVEQYLELSDSANNIHFMQSEI	93	85	95
odd Oz/ten-m3/ ODZ3	<i>M musculus</i>	QLLTGRVQGYDYFVLSVEQYLELSDSANNIHFMQSEI	53	80	90
Hypothetical protein FLJ10474; FLJ10886; unnamed protein products: AK001336, AK027473, AK001748	<i>H sapiens</i>	QLLTGRVQGYDYFVLSVEQYLELSDSANNIHFMQSEI	53	80	90
Putative (AK011924)	<i>M musculus</i>	QLLTGRVQGYDYFVLSVEQYLELSDSANNIHFMQSEI	53	80	90
N/A	<i>R trout</i>	QLLTGRVQGYDYFVLSVEQYLELSDSANNIHFMQSEI	13	80	90
Ten-m3	<i>D rerio</i>	QLLTGRVQGYDYFVLSVEQYLELSDSANNIHFMQSEI	21	75	90
Neurexin alpha	<i>R norvegicus</i>	QLLTGRVQGYDYFVLSVEQYLELSDSANNIHFMQSEI	77	70	90
Teneurin-2	<i>G gallus</i>	QLLTGRVQGYDYFVLSVEQYLELSDSANNIHFMQSEI	77	70	90
Ten-m2/ ODZ2/ odd Oz2	<i>M musculus</i>	QLLTGRVQGYDYFVLSVEQYLELSDSANNIHFMQSEI	77	70	90
Odd Oz/ten-m2/ KIAA1127 protein / hypothetical protein DKFZp761F171.1 (fragment)	<i>H sapiens</i>	QLLTGRVQGYDYFVLSVEQYLELSDSANNIHFMQSEI	77	70	90
Hypothetical protein	<i>H sapiens</i>	QLLTGRVQGYDYFVLSVEQYLELSDSANNIHFMQSEI	77	70	90
Odd Oz/ten-m2	<i>H sapiens</i>	QLLTGRVQGYDYFVLSVEQYLELSDSANNIHFMQSEI	77	70	90
Ten-m4	<i>D rerio</i>	QLLTGRVQGYDYFVLSVEQYLELSDSANNIHFMQSEI	29	57	89
odd Oz/tenascin-like protein/Ten-m gene product	<i>D melanogaster</i>	QLLTGRVQGYDYFVLSVEQYLELSDSANNIHFMQSEI	103	30	60

FIGURE 7B

**FIGURE 6B**



# Mammalian TCAP Sequences

## Accession Numbers

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human TCAP 2	Q L STGR Q E YVLPVE YP A SSS IQ L N M -	xm_047995 (SEQ. ID. NO. 78)
human TCAP 3	Q L SAGK Q D YVLSVE YP A SAN IQ L S I -	ak001336 (SEQ. ID. NO. 85)
human TCAP 4	Q V STGR Q D FFVISVE YP S SAN IH M S M -	ak056531 (SEQ. ID. NO. 94)
mouse TCAP 1	Q L GTGR Q D YFVLSVE YL S SAN IH M S I -	nm_011855 (SEQ. ID. NO. 37)
mouse TCAP 2	Q L STGR Q E YVLPVE YP A SSS IQ L N M -	nm_011856 (SEQ. ID. NO. 46)
mouse TCAP 3	Q L SAGK Q D YVLSVE YP A SAN IQ L S I -	nm_011857 (SEQ. ID. NO. 53)
mouse TCAP 4	Q V NTGR Q D FFVTSVE YP S SAN IH M S M -	ab025413 (SEQ. ID. NO. 66)
Rat TCAP 2	Q L STGR Q E YVLPVE YP A SSS IQ L N M -	nm_020088 (SEQ. ID. NO. 78)

Typographical  
error corrected  
"96" replaced  
with "46"

# Avian TCAP Sequences

chicken TCAP 1	Q L NTGR Q D YFVLSVE YL S SAN IH M S I - NH2	aj238613 (SEQ. ID. NO. 101)
chicken TCAP 2	Q L NTGR Q E YVLPVE YP A SSS IQ L N M -	aj279031 (SEQ. ID. NO. 136)

# Piscine TCAP Sequences

Rainbow trout TCAP 3	Q L SGRK L D YVLSIE YP A SAN IQ L S I -	not entered Yet (SEQ. ID. NO. 13)
zebrafish TCAP 3	Q L SSGK L D YVLSVE YP A SAN VQ L S I -	nm_130968 (SEQ. ID. NO. 21)
zebrafish TCAP 4	Q L SSGR Q E FYIVSD FP T NIN V H W T M -	ab026980 (SEQ. ID. NO. 30)
Insect Drosopholia	ELVQHGDVDGNG1DIHSIHKYPQLADOPGNVAFQDAK	(SEQ. ID. NO. 103)

FIGURE 7A

Column Added



Appl. No. 10/510,959  
Amdt. Dated May 7, 2009  
Reply to Office Action of November 7, 2008  
Annotated Sheet Showing Changes

Protein name	Species	Truncated Peptide	SEQ ID NO:	% Identical	% Homolog
Ten-m1/odd Oz1	<i>M musculus</i>	QLLGTRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	37	100	
Teneurin-1	<i>G gallus</i>	QLLTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	138	97	97
Oddz (odd Oz1/ten-m1) / tenascin M	<i>H sapiens</i>	QLLTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	69	97	97
Mouse DOC4-like protein	<i>H sapiens</i>	QLLTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	69	97	97
DOC4/Ten-m4 /odd Oz4	<i>M musculus</i>	QLLTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	61	85	92
Similar to odd Oz4/ten-m4/ KIAA1302 protein	<i>H sapiens</i>	QLLTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	93	85	95
Hypothetical protein/ DKEZp56400423.1 (fragment)	<i>H sapiens</i>	QLLTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	93	85	95
odd Oz/ten-m3/ ODZ3	<i>M musculus</i>	QLLTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	53	80	90
Hypothetical protein FLJ10474; FLJ10886; unnamed protein products: AK001336, AK027473, AK001748	<i>H sapiens</i>	QLLTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	53	80	90
Putative (AK011924)	<i>M musculus</i>	QLLTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	53	80	90
N/A	<i>R trout</i>	QLLTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	13	80	90
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Neurestin alpha	<i>R norvegicus</i>	QLLTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	77	70	90
Teneurin-2	<i>G gallus</i>	QLLTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	77	70	90
Ten-m2/ ODZ2/ odd Oz2	<i>M musculus</i>	QLLTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	77	70	90
Odd Oz/ten-m2/ KIAA1127 protein / hypothetical protein DKEZp761F171.1 (fragment)	<i>H sapiens</i>	QLLTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	77	70	90
Hypothetical protein	<i>H sapiens</i>	QLLTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	77	70	90
Odd Oz/ten-m2	<i>H sapiens</i>	QLLTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	77	70	90
Ten-m4	<i>D rerio</i>	QLLTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	29	57	89
odd Oz/tenascin-like protein/Ten-m gene product	<i>D melanogaster</i>	QLLTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	103	30	60

FIGURE 7B